

References

Referenced Publications

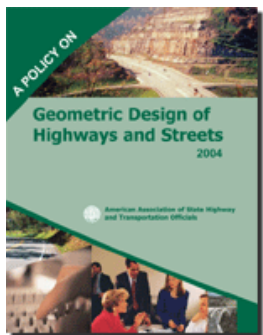
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American Association of State Highway and Transportation Officials (AASHTO)

AASHTO. A Policy on Geometric Design of Highways and Streets (Green Book). 2004



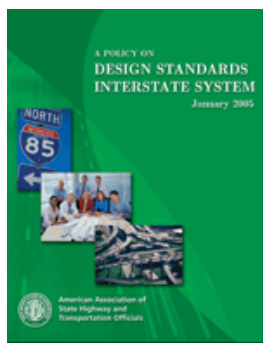
This publication may be ordered online at:
https://bookstore.transportation.org/item_details.aspx?ID=110

Notes: ISBN Number: 1-56051-263-6 "This fifth edition of AASHTO's 'Green Book' contains the latest design practices in universal use as the standard for highway geometric design

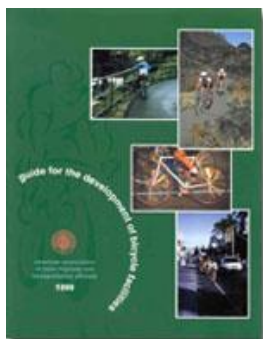
and has been updated to reflect the latest research on superelevation and side friction factors as presented in NCHRP Report 439" (AASHTO, 2006).

AASHTO. A Policy on Design Standards---Interstate System, 5th Edition. 2005

This publication may be ordered online at:
https://bookstore.transportation.org/item_details.aspx?ID=100



Notes: ISBN Number: 1-56051-291-1 "Complements A Policy on Geometric Design of Highways and Streets and Standard Specifications for Highway Bridges. Topics include traffic design, right-of-way, geometric controls and criteria, cross section elements, interchanges, and bridges and other structures" (AASHTO, 2006).



AASHTO. Guide for the Development of Bicycle Facilities, 3rd Edition. 1999

This publication in hard copy or CD format may be ordered online at:
https://bookstore.transportation.org/item_details.aspx?ID=104

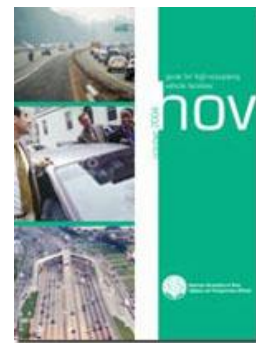
Notes: "Supersedes the 1981 Guide for Development of New Bicycle Facilities. Provides information on the

development of new facilities to enhance and encourage safe bicycle travel. Planning considerations, design and construction guidelines, and operation and maintenance recommendations are included" (AASHTO, 2006).

AASHTO. Guide for High-Occupancy Vehicle (HOV) Facilities, 3rd Edition. 2004

This publication may be ordered online at:
https://bookstore.transportation.org/item_details.aspx?ID=114

Notes: ISBN Number: 1-56051-295-4 "This guide suggests methods and designs for dedicated facilities to encourage greater use of existing transportation systems, such as increased use of public transit (primarily buses), carpools, vanpools, or other ridesharing modes to help attain the above goals. Guidance is given for planning and design of preferential treatment for high-occupancy vehicles" (AASHTO, 2006).



AASHTO. Guide for Park-and-Ride Facilities, 2nd Edition. 2004

This publication may be ordered online at:
https://bookstore.transportation.org/item_details.aspx?ID=121

Notes: ISBN Number: 1-56051-294-6 "Information presented in this guide is intended to provide a general knowledge of the park-and-ride planning and design process. Applicable local ordinances, design requirements, and building codes must be consulted for their affect on the planning and design process. Local data resources, development patterns, and transit networks may present unique opportunities for park-and-ride implementation, and should be explored.

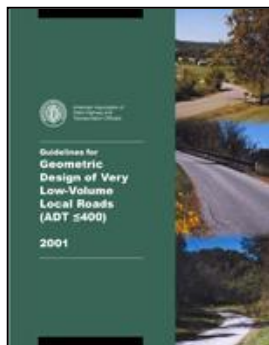


Chapter content includes: Defining the Park-and-Ride System, Park-and-Ride Planning Process, Operations and Maintenance of Park-and-Ride Facilities, Design Considerations for Park-and-Ride Facilities, and Architecture, Landscape, and Art: Integral Parts of the Park-and-Ride Facility" (AASHTO, 2006).

AASHTO. Guide Specifications for Horizontally Curved Steel Girder Highway Bridges. 2003

Notes: [GHC-4] "Now with step-by-step design examples, this title supercedes the 1993 edition of Guide Specifications for Horizontally Curved Highway Bridges (formerly GHC-3). It reflects the extensive research on curved-girder bridges that has been conducted since 1980 and many important changes in related provisions of the straight-girder specifications" (Techstreet.com, 2006).

This publication may be ordered online at:
http://www.techstreet.com/cgi-bin/detail?product_id=1083781



AASHTO. Guidelines for Geometric Design of Very Low-Volume Local Roads (ADT ≤ 400), 1st Edition. 2001

This publication may be ordered online at:
https://bookstore.transportation.org/item_details.aspx?ID=157

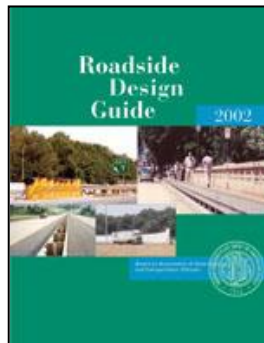
Notes: "[This publication] addresses the unique design issues highway designers and engineers face when determining appropriate cost-effective geometric design policies for very low-volume local roads. This approach covers both new and existing construction projects. Because geometric design guidance for very low-volume local roads differs from the policies applied to high-volume roads, these guidelines may be used in lieu of *A Policy on Geometric Design of Highways and Streets*, also known as the *Green Book*" (AASHTO, 2006).

AASHTO. Highway-Rail Crossing Elimination and Consolidation. 1995

Explains the purpose and benefits of crossing consolidation from a national and local perspective, and from a highway and railroad perspective.

Additional information regarding this publication is available online at:
<http://safety.transportation.org/prgpub.aspx?pid=1855>

AASHTO. Roadside Design Guide, 3rd Edition. 2006.



This publication may be ordered online at:
https://bookstore.transportation.org/item_details.aspx?ID=148

Notes: ISBN Number: 1-56051-132-X
"A synthesis of current information and operating practices related to roadside

safety presented both in metric and U.S. customary units. The searchable CD-ROM of the text is included" (AASHTO, 2006).

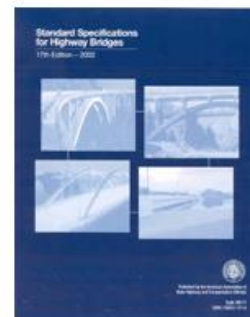
Includes March 2006 errata and also includes a revised Appendix A to accompany RSAP. This revised Appendix A is available for download at:
[http://downloads.transportation.org/RSDG-3-Appendix%20A%20\(revised\).pdf](http://downloads.transportation.org/RSDG-3-Appendix%20A%20(revised).pdf)

AASHTO. Roadway Lighting Design Guide. 2005

Notes: [GL-6] This guide replaces the 1984 publication entitled *An Informational Guide for Roadway Lighting*. It has been revised and brought up to date to reflect current practices in roadway lighting. The guide provides a general overview of lighting systems from the point of view of the transportation departments and recommends minimum levels of quality. The guide incorporates the illuminance and luminance design methods, but does not include the small target visibility (STV) method.

AASHTO. Standard Specifications for Highway Bridges, 17th Edition. 2002

Notes: "Replaces the 16th edition and its interims (1997–2003). The structural design standards used by state bridge engineers, engineering colleges and universities, and practicing engineers worldwide. Now features separate tables of contents for figures and tables. Updates provided on bridge web site for download and printing. For the first time, includes easy-to-use CD-ROM (HB-17-CDM)" (www.AASHTO.org).



Additional information regarding this publication is available online at:
https://bookstore.transportation.org/item_details.aspx?ID=51

American Railway Engineering and Maintenance of Way Association (AREMA)

AREMA. Manual for Railway Engineering. 2006

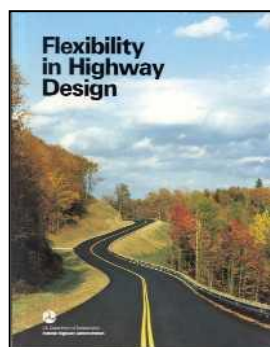
Notes: A new manual is published each year. The full manual or individual chapters may be ordered online through AREMA at <http://www.arena.org>

Federal Highway Administration (FHWA)

FHWA. Americans with Disabilities Act (ADA) and Transportation Enhancements (TE). 2006

Visit the following FHWA web page for additional information relating to Americans with Disabilities Act (ADA) requirements:

http://www.fhwa.dot.gov/environment/te/te_ada.htm



FHWA. Flexibility in Highway Design. 2004

Available online at:
<http://www.fhwa.dot.gov/environment/flex/>

FRA/FHWA. Guidance on Traffic Control Devices at Highway-Rail Grade Crossings. 2002

Available online at:
<http://safety.fhwa.dot.gov/media/twgreport.htm>

FRA/FHWA. Highway-Railroad Grade Crossings: A Guide to Consolidation and Closure. 1994

Information regarding this publication is available online at:

<http://www.fra.dot.gov/downloads/Safety/gxlistofpubs2006.pdf>

FHWA. Highway Traffic Noise in the United States - Problem and Response. 2006

Available online at:
<http://www.fhwa.dot.gov/environment/probresp.htm>

FHWA. Manual on Uniform Traffic Control Devices (MUTCD). 2003

Available online at: <http://mutcd.fhwa.dot.gov/kno-2003r1.htm>

FHWA. Roundabouts: An Informational Guide FHWA-RD-00-67. 2000

Available online at:
<http://www.tfhrc.gov/safety/00068.htm>

FHWA. Value Engineering and The Federal Highway Administration (Website). 2005

Available online at:
<http://www.fhwa.dot.gov/ve/index.cfm>

FHWA. Roadway Lighting Handbook. 1978

Notes: Implementation Package 78-15. Reprinted April 1984. Washington, D.C.

Georgia Department of Transportation



GDOT. Bridge and Structures Policy Manual. 2006

Available online at:
<http://www.dot.state.ga.us/dot/preconstruction/r-o-a-d-s/DesignPolicies/documents/pdf/GDOT%20Bridge%20and%20Structures%20Policy%20Manual.pdf>

GDOT. DRAFT Manual on Drainage Design for Highways. 2005

Available online at:
<http://www.dot.state.ga.us/dot/preconstruction/r-o-a-d-s/DesignPolicies/documents/pdf/GA8-ALL.pdf>

GDOT. Construction Standards and Details. 2006

Construction Standards and Details are available online at: http://tomcat2.dot.state.ga.us/stds_dtls/index.jsp

GDOT. GDOT Context Sensitive Design Online Manual, Version 1.0. 2006

Available online at: <http://www.dot.state.ga.us/csd>

GDOT. Environmental Procedures Manual. 2006

Available on the GDOT Repository for Online Access to Documentation and Standards (R.O.A.D.S.) website at: <http://www.dot.state.ga.us/dot/preconstruction/r-o-a-d-s/DesignPolicies/documents/pdf/GDOT%20Environmental%20Procedures%20Manual.pdf>



GDOT. Pavement Design Manual. 2007

Provides guidance for developing the history and necessary information that may be needed in designing both a rigid and flexible pavement structure.

Available online at: <http://www.dot.state.ga.us/dot/preconstruction/r-o-a-d-s/DesignPolicies/documents/pdf/Pavement%20Design%20Manual.pdf>

GDOT. Pedestrian and Streetscape Guide. 2003

Provides direction to design professionals, developers, municipalities and others regarding the design, construction, and maintenance of pedestrian facilities. The Guide will also aid in continuing to address the goals put forth in GDOT's 1995 Bicycle and Pedestrian Plan.

Available online at: http://www.dot.state.ga.us/dot/plan-prog/planning/projects/bicycle/ped_streetscape_guide/index.shtml

GDOT. Plan Development Process (PDP). 2006

Available on the GDOT Repository for Online Access to Documentation and Standards (R.O.A.D.S.) website at: <http://www.dot.state.ga.us/dot/preconstruction/r-o-a-d-s/Other%20Resources/index.shtml>

GDOT. Plan Presentation Guide. 2002

Available on the GDOT Repository for Online Access to Documentation and Standards (R.O.A.D.S.) website at: <http://www.dot.state.ga.us/dot/preconstruction/r-o-a-d-s/PPC/index.shtml>

GDOT. Regulations for Driveway and Encroachment Control. 2006

GDOT regulations, which are developed as guidelines for the maximum protection of the public through orderly control of traffic entering and leaving a part of the State highway system, updated October 2006.

Available online at:

<http://www.dot.state.ga.us/dot/preconstruction/r-o-a-d-s/DesignPolicies/index.shtml>

GDOT. GDOT Standard Specification Book. 2001

This publication may be ordered through the GDOT Office of Contract Administration at: <http://tomcat2.dot.state.ga.us/ContractsAdministration/>

The order form for this and other specification publications may be downloaded from: <http://tomcat2.dot.state.ga.us/ContractsAdministration/uploads/availpub.PDF>

GDOT. Traffic Signal Design Guidelines. 2003

Published by the GDOT Office of Traffic Safety and Design. Available online at: <http://www.dot.state.ga.us/dot/operations/traffic-safety-design/Documents/PDF/1.%20Traffic%20Signal%20Design%20Guidelines.pdf>

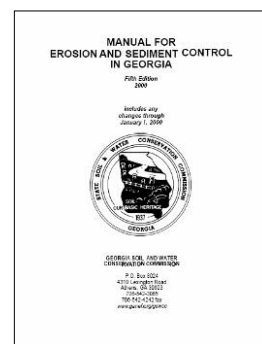
GDOT. Utility Accommodation Policy and Standards Manual. 1988

Contains the current policy of the Georgia DOT Office of Utilities regarding utility accommodation on the public highway right-of-way.

The three-part document and addenda are available online at: <http://www.dot.state.ga.us/dot/operations/utilities/88manual.shtml>

Georgia Soil and Water Conservation Commission (GSWCC)

Georgia Soil and Water Conservation Commission. Manual for Erosion and Sediment Control in Georgia, 5th Edition. 2000



Entire document (note: this is a 47.9 megabyte file, and will take several minutes to load on a high-speed Internet connection): http://s150378756.onlinehome.us/docs/green_book_5ed.pdf

or
Document index: http://gaswcc.georgia.gov/00/topic_index_channel/0,2092,28110777_29155149,00.html#M

Illuminating Engineering Society of North America (IESNA)

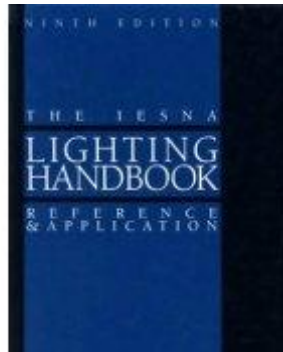
IESNA. Guideline for Security Lighting for People, Property and Public Spaces (G-1-03). 2005

Guideline for design and implementation of security lighting, which covers basic security principles, illuminance requirements for various types of properties, protocol for evaluating current lighting levels for different security applications, and security survey and crime search methodology. Also includes exterior and interior security lighting practices for the reasonable protection of persons and property.

Publication may be ordered online through IES at:
http://www.techstreet.com/cgi-bin/detail?product_id=1098026

IESNA.. Lighting Handbook, 9th Edition. 2000

Referred to by industry professionals as the "Bible of Lighting." This comprehensive reference includes explanations of concepts, techniques, applications, procedures and systems, as well as detailed definitions, tasks, charts and diagrams. Publication may be ordered online through IES at:
http://www.techstreet.com/cgi-bin/detail?product_id=229514



IESNA. Lighting For Parking Facilities (RP-20-98). 1998

A guideline for designing fixed lighting for parking facilities. Its recommendations only apply to the design of new lighting systems for parking facilities. Publication may be ordered online through IES at:
http://www.techstreet.com/cgi-bin/detail?product_id=14417

IESNA. Recommended Lighting for Walkways. 1994

A guideline for designing fixed lighting for parking facilities. Its recommendations only apply to the design of new lighting systems for parking facilities. Publication may be ordered online through IES at:
http://www.techstreet.com/cgi-bin/detail?product_id=14320

IESNA. Recommended Lighting for Walkways and Class 1 Bikeways (DG-5-94). 1994

Consolidates references made in previous IESNA publications with certain new information for designing lighting systems for walkways and Class I bikeways.

Publication may be ordered online through IES at:
http://www.techstreet.com/cgi-bin/detail?product_id=14320

IESNA. Roadway Lighting ANSI Approved (RP-8-05). 2005

Provides the design basis for lighting roadways, adjacent bikeways, and pedestrian ways. This publication deals entirely with lighting and does not give advice on construction. It is not intended to be applied to existing lighting systems until such systems are redesigned. This publication revises and replaces the previous edition which was published in 1983 and reaffirmed in 1993.

Publication may be ordered online through IES at:
http://www.techstreet.com/cgi-bin/detail?product_id=739518

IESNA. Roadway Sign Lighting (RP-19 -01). 2001

A guideline that discusses elements of roadway sign lighting, both internally and externally lighted signs, as well as maintenance factors, sign surface reflectance and color change considerations.

Publication may be ordered online through IESNA at:
http://www.techstreet.com/cgi-bin/detail?product_id=926898

IESNA/AHNSI. Tunnel Lighting (RP-22-05). 2005

A guideline to assist engineers and designers in determining lighting needs, recommending solutions, and evaluating resulting visibility at tunnel approaches and interiors.

Publication may be ordered online through IESNA at:
http://www.techstreet.com/cgi-bin/detail?product_id=1260805

Institute of Transportation Engineers (ITE)

ITE. Manual of Uniform Transportation Engineering Studies. 2000

Additional information and order forms for this publication are available online at:
<http://www.ite.org/tripgen/trippubs.asp>

Notes: "Shows in detail how to conduct several transportation engineering studies in the field. Discusses experimental design, survey design, statistical analyses, data presentation techniques, and report writing concepts. Provides guidelines for both oral and written presentation of study results. Includes useful forms for various transportation studies. Proceeded by the Manual of Traffic Engineering Studies" (www.ite.org, n.d.).

ITE. Trip Generation Handbook, 7th Edition. 2003

Additional information and order forms for this publication are available online at:
<http://www.ite.org/tripgen/trippubs.asp>

Notes: "The 7th Edition of Trip Generation includes numerous updates to the statistics and plots published in the 6th Edition. A significant amount of new data has been collected and several new land uses have been added" (www.ite.org, n.d.).

National Cooperative Highway Research Program (NCHRP)

NCHRP. Design Speed, Operating Speed, and Posted Speed Practices [NCHRP Report 504]. 2003

Available online at:
http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_504.pdf

NCHRP. Evaluating Intersection Improvements: An Engineering Study Guide [NCHRP Report 457]. 2001

An enhanced online version of the report is available at
<http://onlinepubs.trb.org/onlinepubs/nchrp/esg/esg.pdf>



NCHRP. Impacts of Access Management Techniques [NCHRP Project 3-52]. 1998

This report may be ordered online through TRB's website at:
<http://www.trb.org/trbnet/projectdisplay.asp?projectid=797>

NCHRP. Modern Roundabout Practices [Synthesis 264]. 1996

"This synthesis presents information on current practices with respect to the planning, design, and operation of modern roundabouts in the United States. It will be of interest to state and local highway design

engineers, traffic engineers, maintenance engineers, as well as officials concerned with roadway safety. It will also be useful to design and traffic engineering consultants who may be assisting communities with the implementation of roundabouts" (www.TRB.org, n.d.).

Available online at:
http://trb.org/publications/nchrp/nchrp_syn_264.pdf

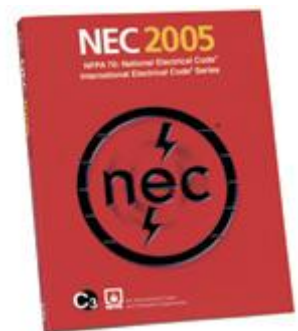
NCHRP. Recommended Procedures for the Safety Performance Evaluation of Highway Features [Report 350]. 1992

This document is no longer in print, but may be accessed through the following link:
http://safety.fhwa.dot.gov/roadway_dept/road_hardware/nchrp_350.htm.

National Fire Protection Association (NFPA)

NFPA. National Electrical Code [NFPA-70]. 2005

This Code covers the installation of electrical conductors, equipment, and raceways; signaling and communications conductors, equipment, and raceways; and optical fiber cables and raceways for: (1) Public and private premises, including buildings, structures, mobile homes, recreational vehicles, and floating buildings (2) Yards, lots, parking lots, carnivals, and industrial substations FPN to (2).



Publication may be ordered online at:
<http://www.nfpa.org/aboutthecodes/AboutTheCodes.asp?DocNum=70>
or through the IENSA website at:
http://www.techstreet.com/cgi-bin/detail?product_id=1160845

Texas Transportation Institute (TTI)

TTI. Grade Separations - When Do We Separate? Highway-Rail Crossing Conference. 1999

Available online through the Texas Transportation Institute at: <http://tti.tamu.edu/publications/catalog/>

Transportation Research Board (TRB)



TRB. Highway Capacity Manual. 2000

This publication may be ordered online at:
http://trb.org/news/blurb_detail.asp?id=1166

Notes: "TRB Special Report 209: Highway Capacity Manual, 3rd Edition is a collection of state-of-the-art techniques for estimating capacity and determining level of service for many transportation facilities and modes. The 3rd Edition of this manual was updated in 2000 as Highway Capacity Manual 2000" (TRB, 2006).